

Fig. 1A

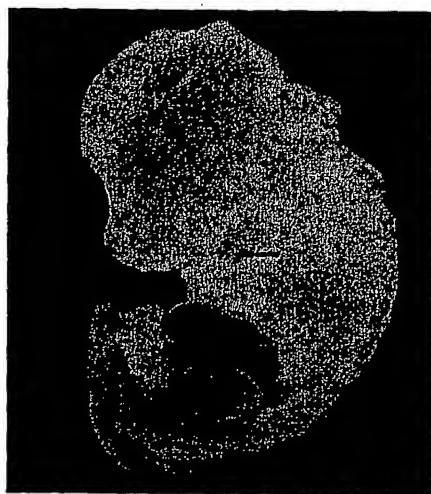


Fig. 1B

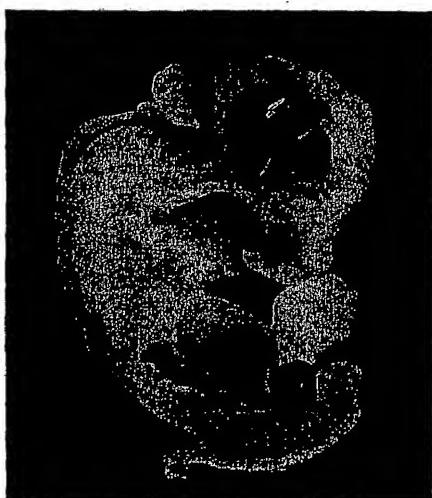


Fig. 1C

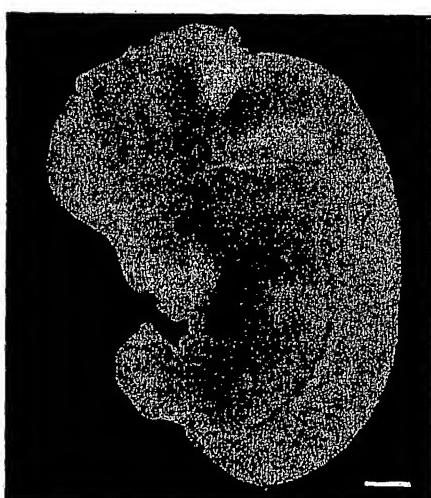


Fig. 1D

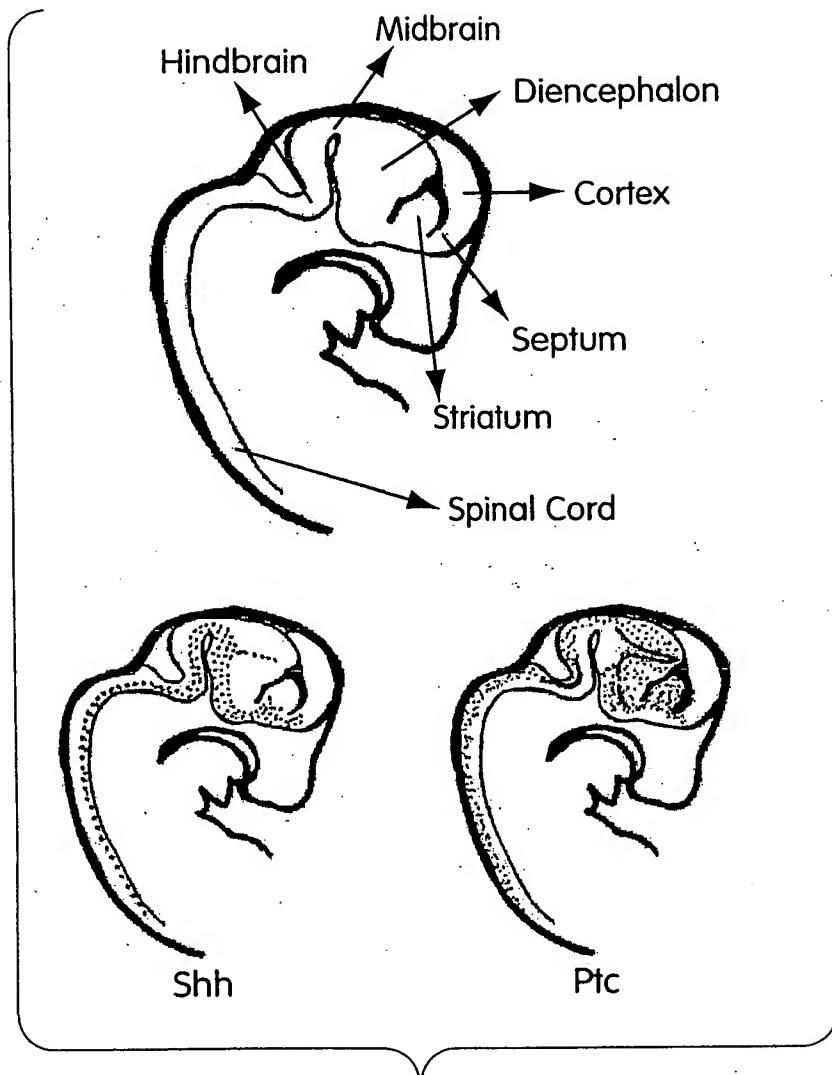


Fig. 1E

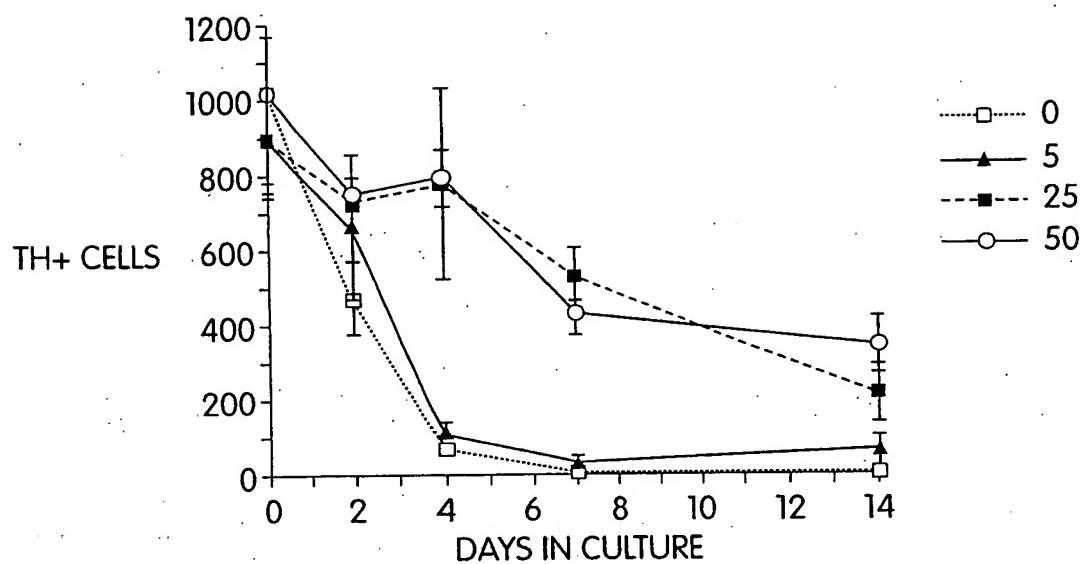


Fig. 2A

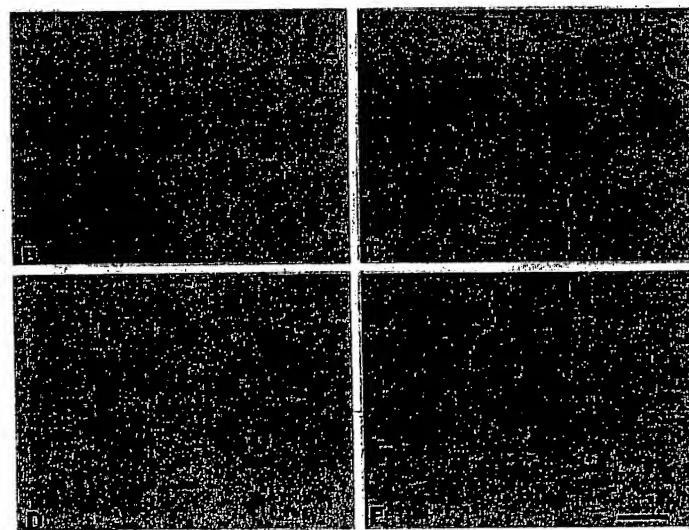


Fig. 2B

Fig. 2C

Fig. 2D

Fig. 2E

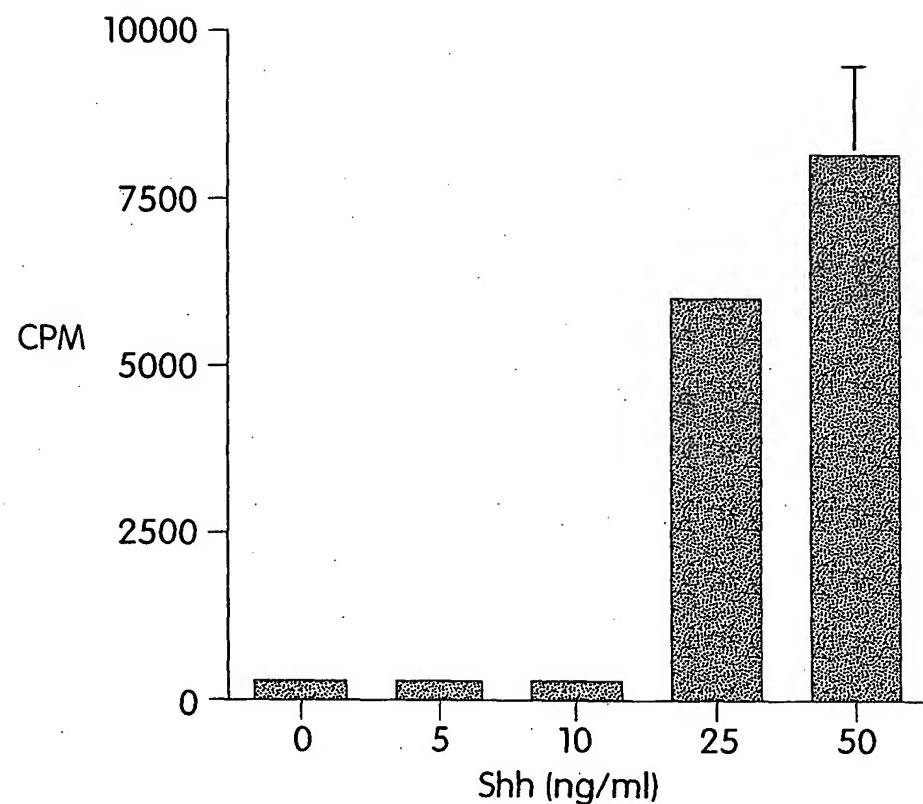


Fig. 3A

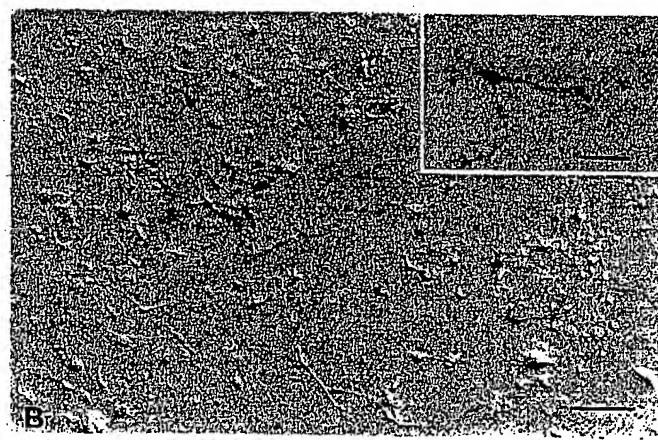


Fig. 3B

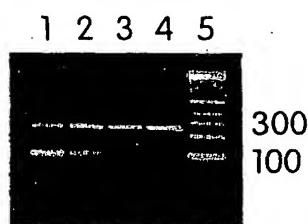


Fig. 4A

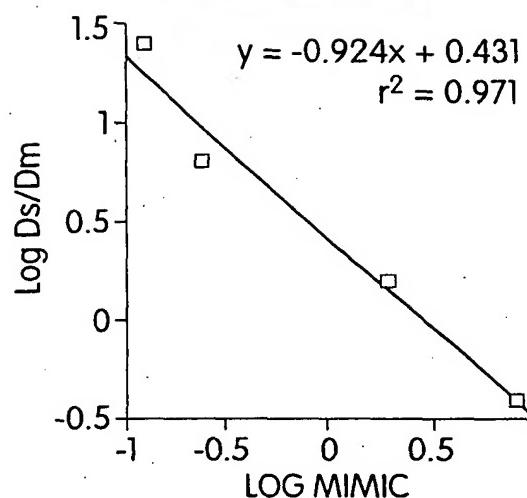


Fig. 4B

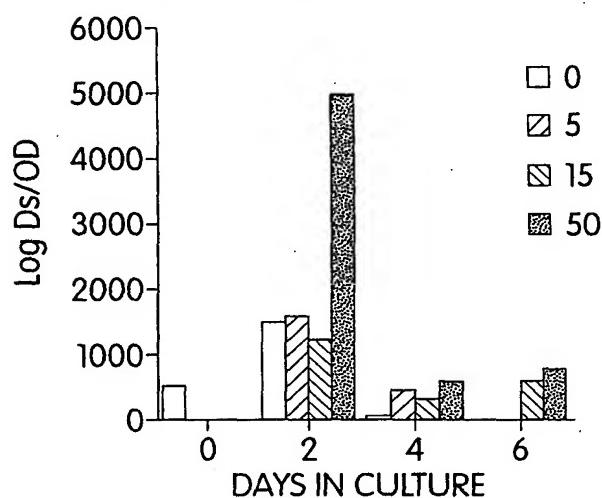


Fig. 4C

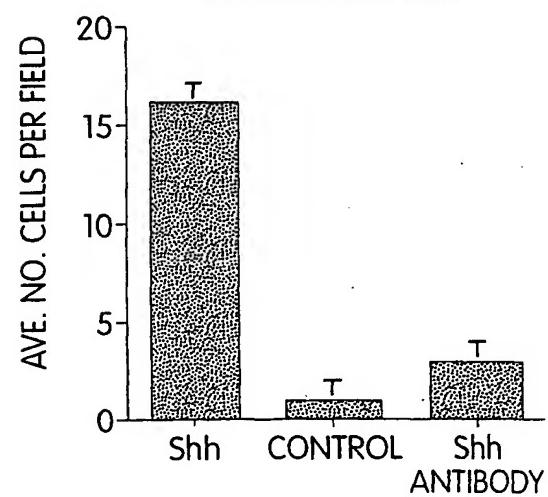


Fig. 4D

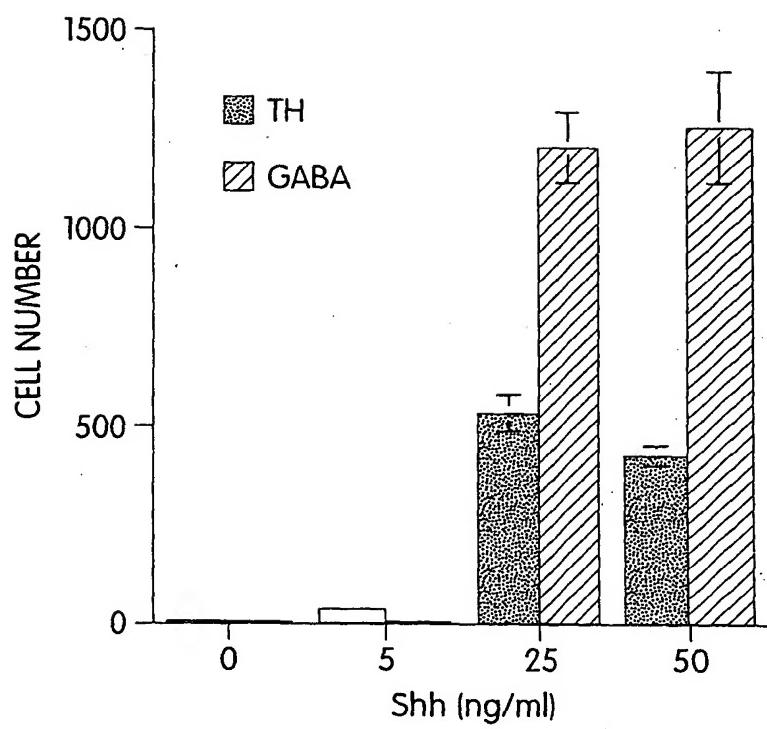


Fig. 5A



Fig. 5B

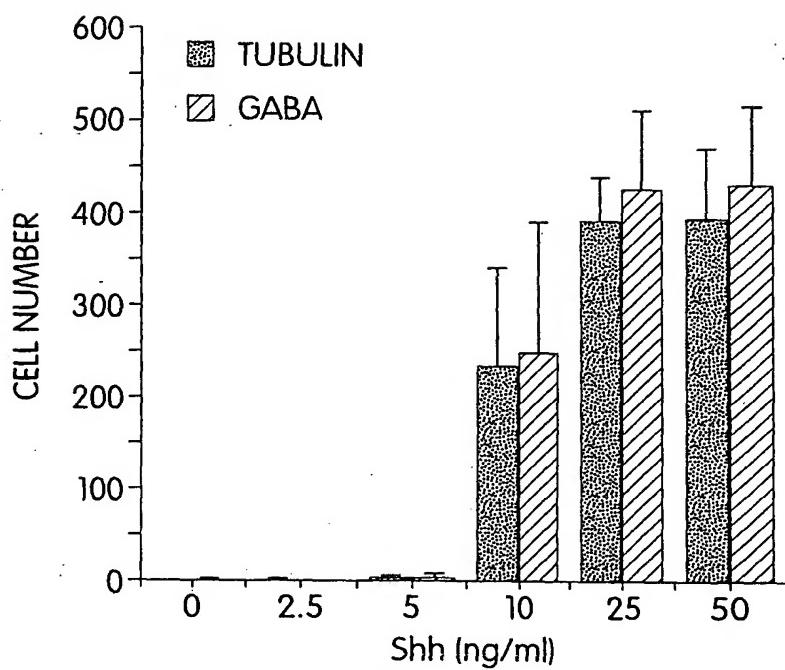


Fig. 6A

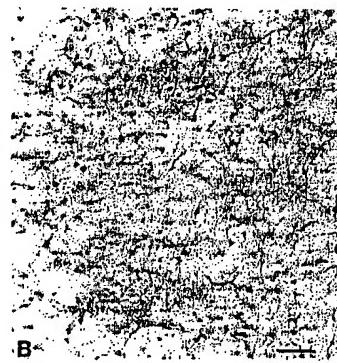


Fig. 6B

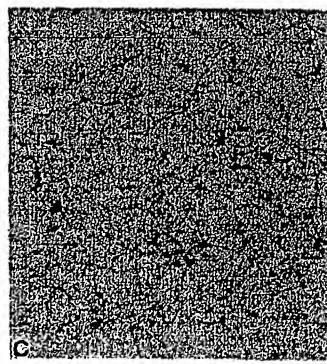


Fig. 6C

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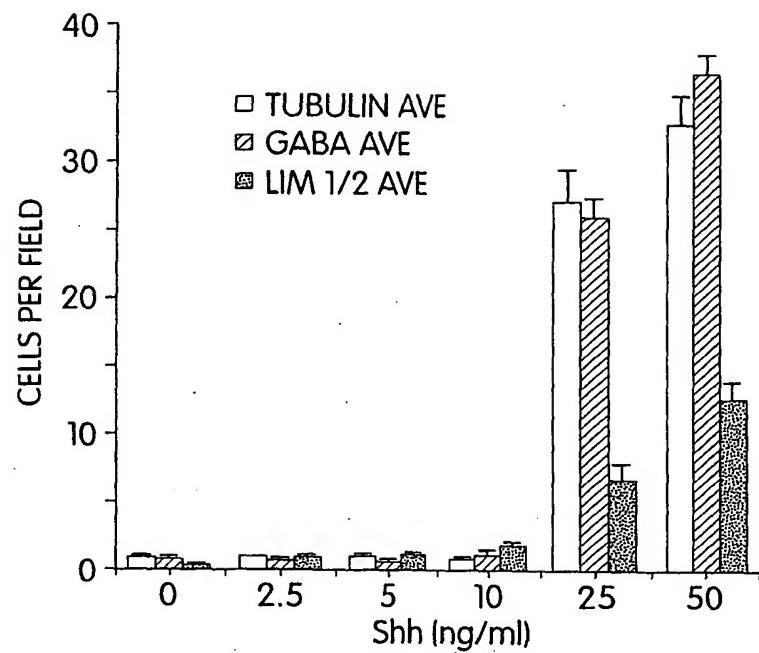


Fig. 7A

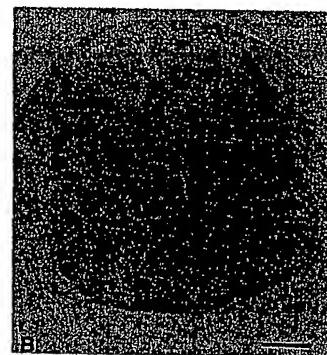


Fig. 7B

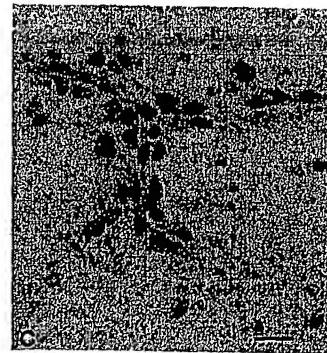
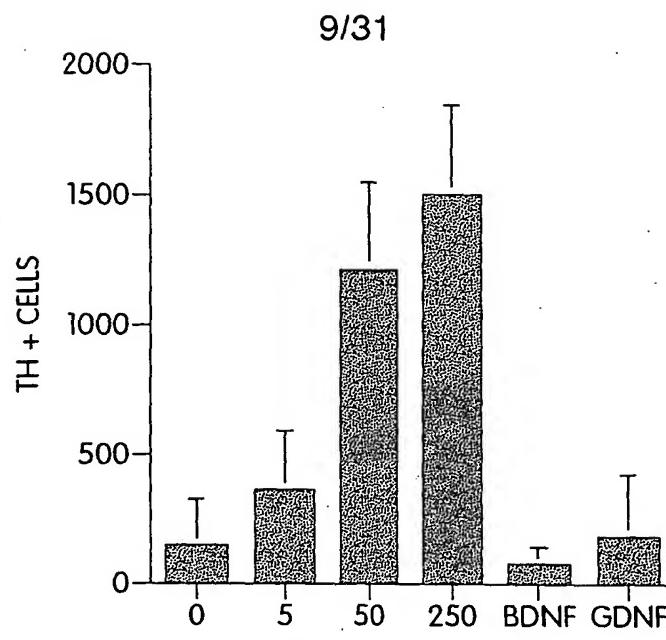
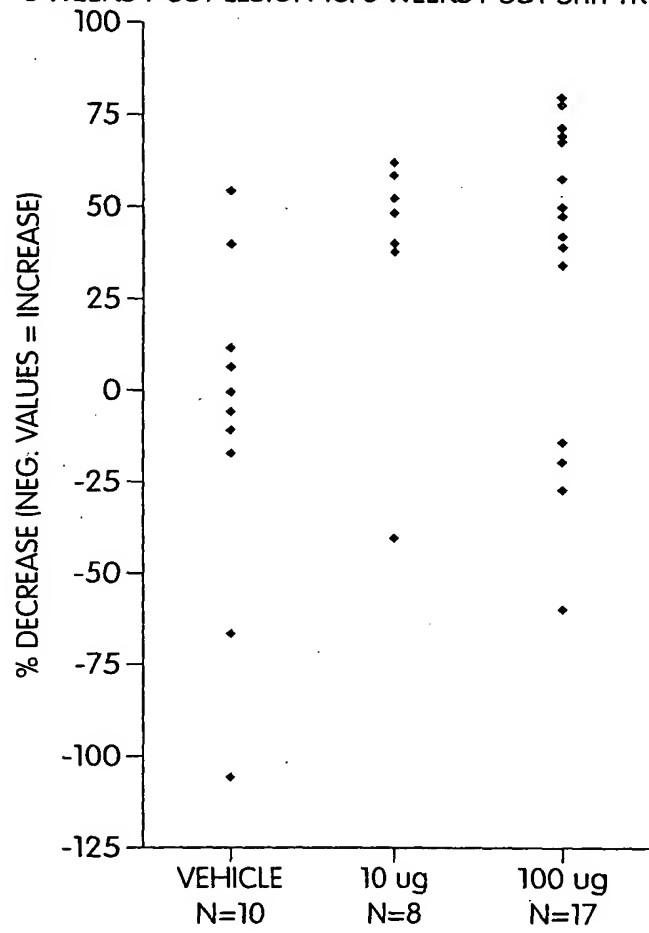


Fig. 7C



**Fig. 8**

% DECREASE IN ROTATIONS:  
3 WEEKS POST-LESION vs. 3 WEEKS POST-Shh TREATMENT



**Fig. 9**

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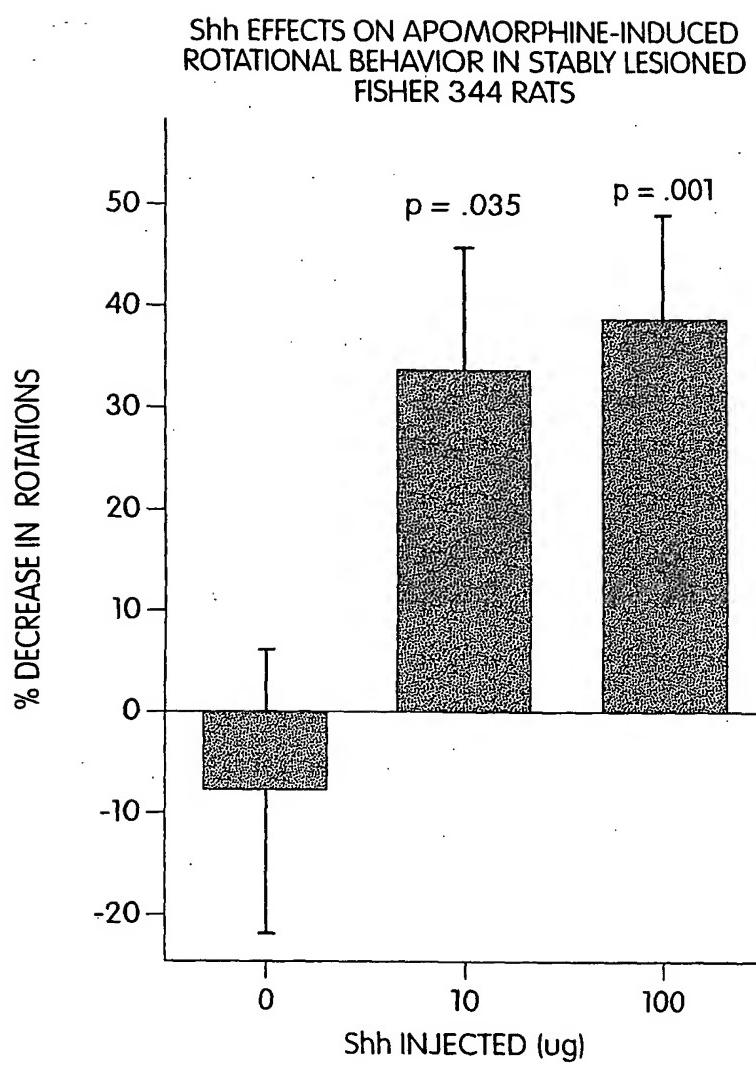


Fig. 10

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EXPERIMENTS 1 AND 2 - DAY 4 AMPHETAMINE CHALLENGE

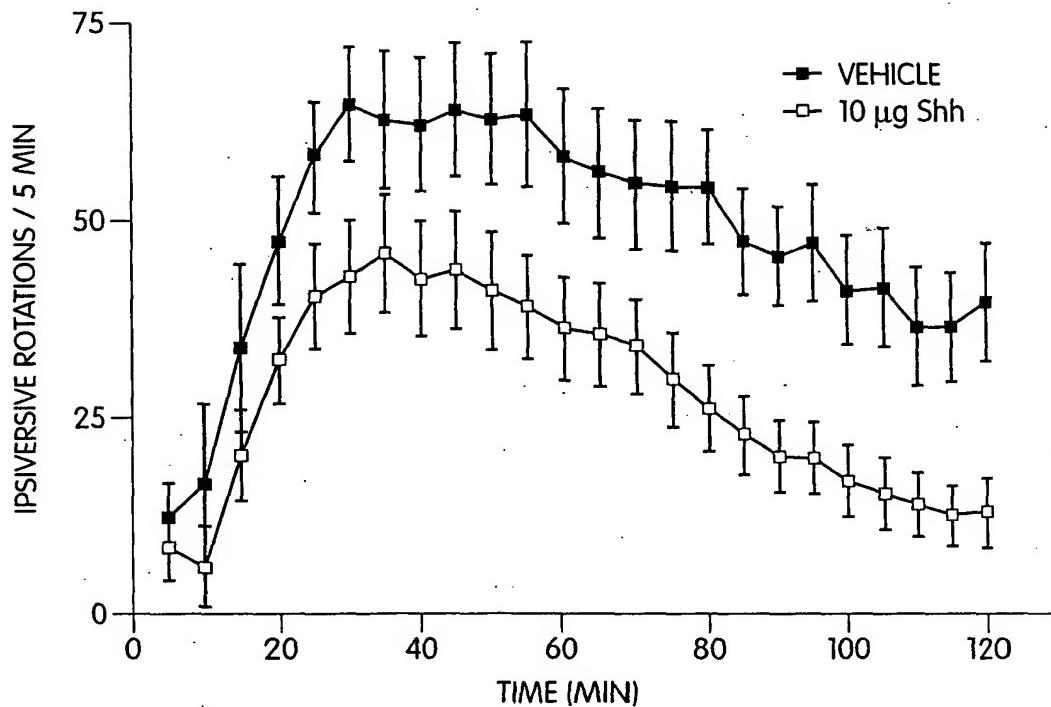


Fig. 11A

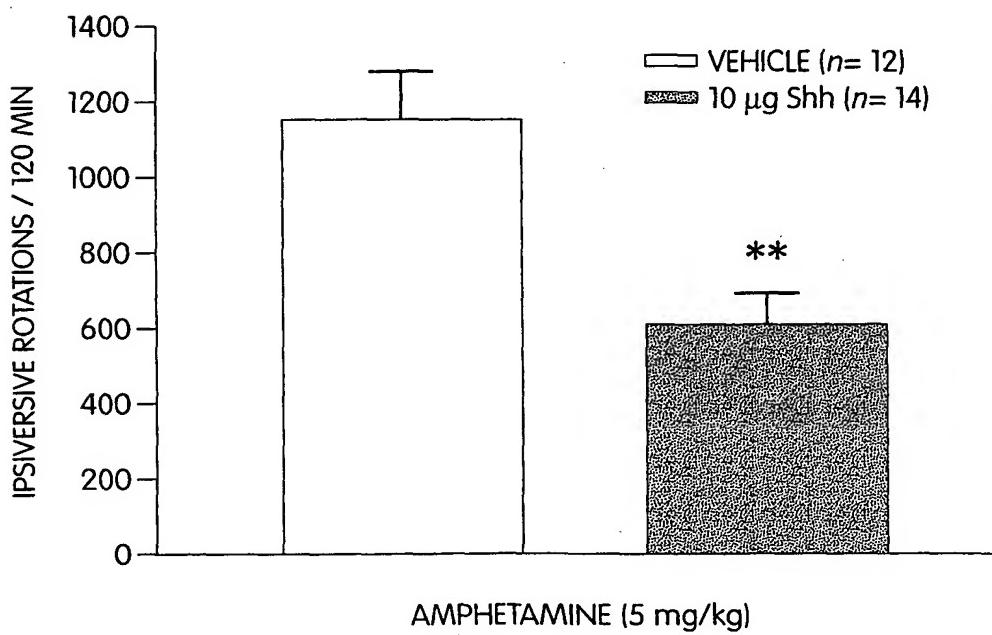


Fig. 11B

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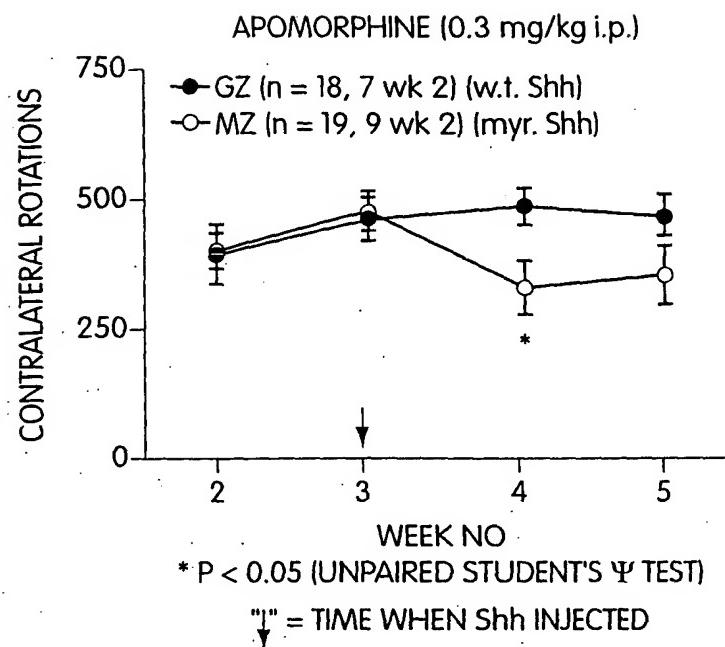


Fig. 12A

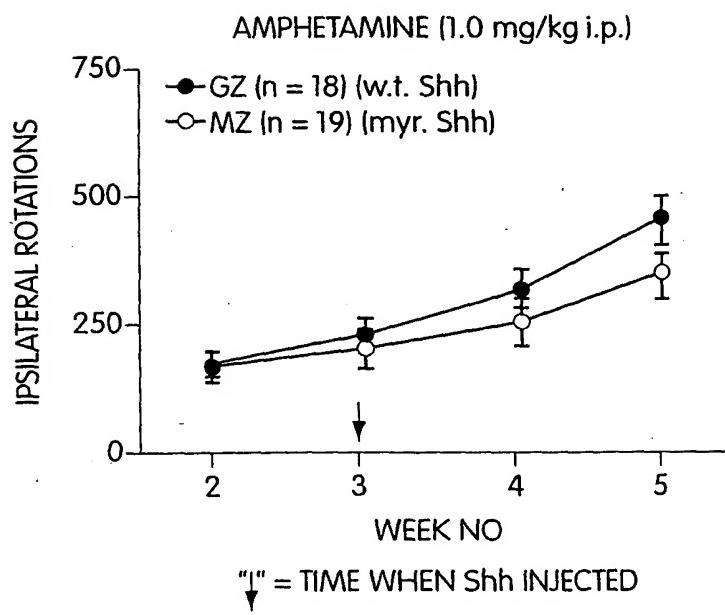
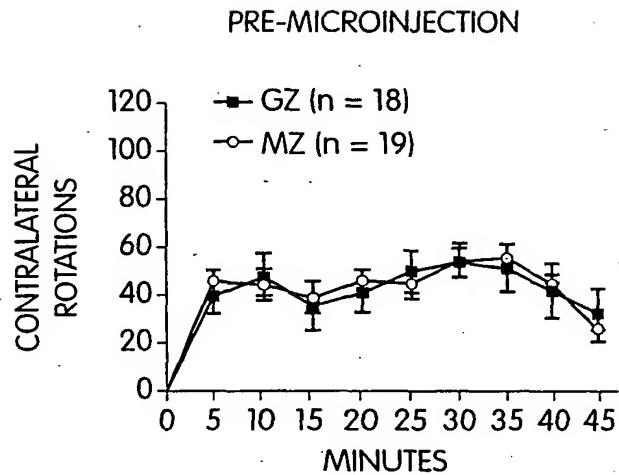
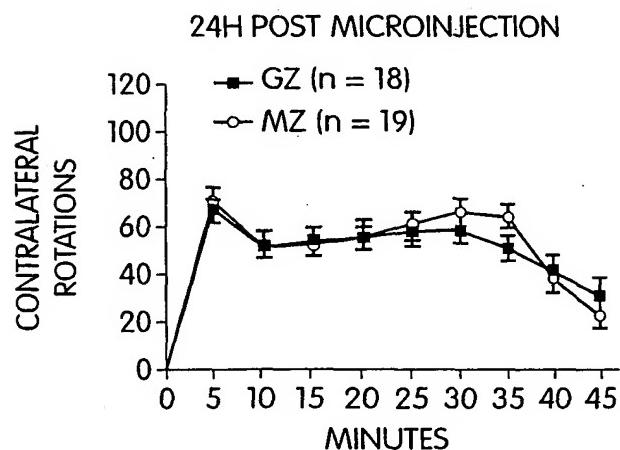


Fig. 12B



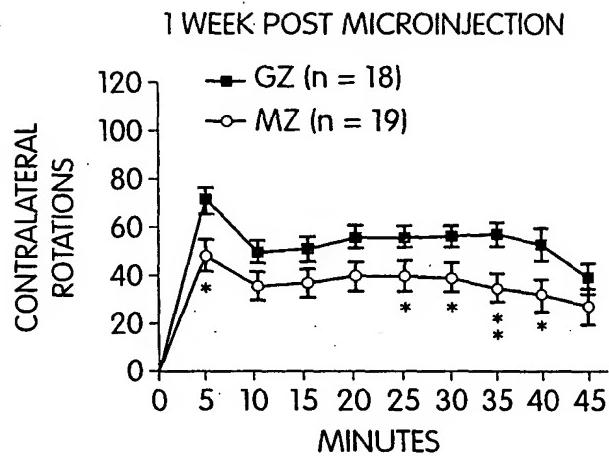
GZ TOTAL (45 MIN) CONTRALATERAL ROTATIONS =  $397 \pm 59$   
 MZ TOTAL (45 MIN) CONTRALATERAL ROTATIONS =  $404 \pm 34$

Fig. 13A



GZ TOTAL (45 MIN) CONTRALATERAL ROTATIONS =  $465 \pm 41$   
 MZ TOTAL (45 MIN) CONTRALATERAL ROTATIONS =  $479 \pm 36$

Fig. 13B

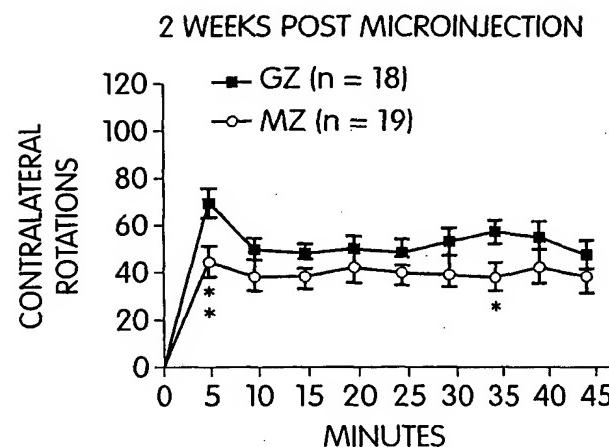


GZ TOTAL (45 MIN) CONTRALATERAL ROTATIONS =  $489 \pm 35$

MZ TOTAL (45 MIN) CONTRALATERAL ROTATIONS =  $334 \pm 52$

\*P<0.05, \*\* P<0.01 (UNPAIRED STUDENTS  $\Psi$  TEST)

Fig. 13C



GZ TOTAL (45 MIN) CONTRALATERAL ROTATIONS =  $472 \pm 39$

MZ TOTAL (45 MIN) CONTRALATERAL ROTATIONS =  $359 \pm 55$

\*P<0.05, \*\* P<0.01 (UNPAIRED STUDENTS  $\Psi$  TEST)

Fig. 13D

## EXPERIMENT 4 - DAY 4 AMPHETAMINE CHALLENGE

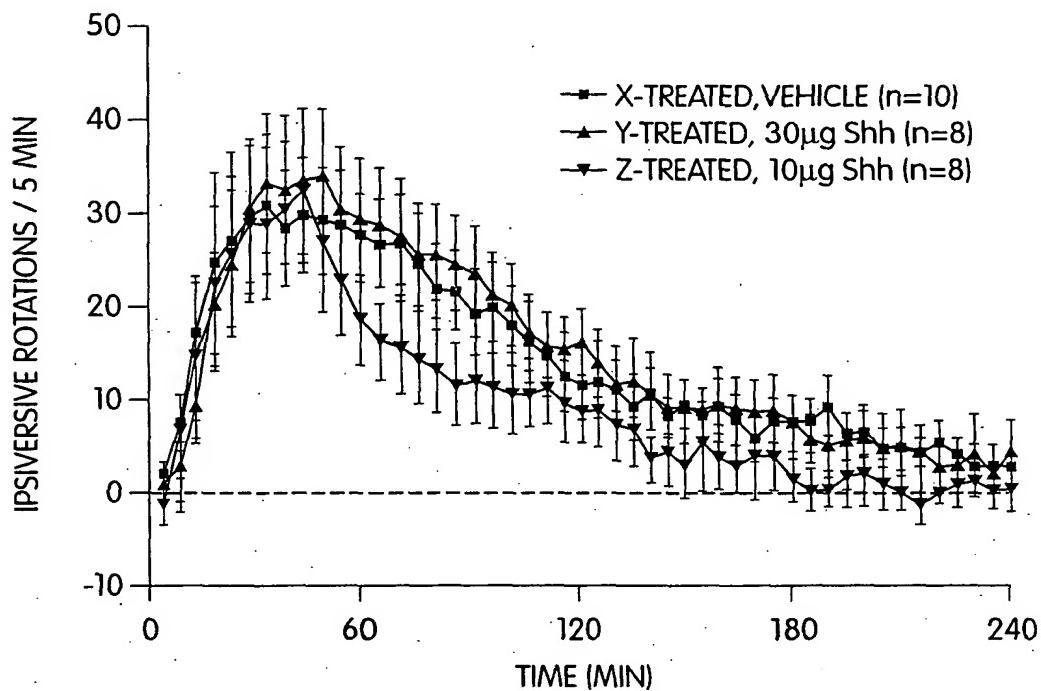


Fig. 14A-1

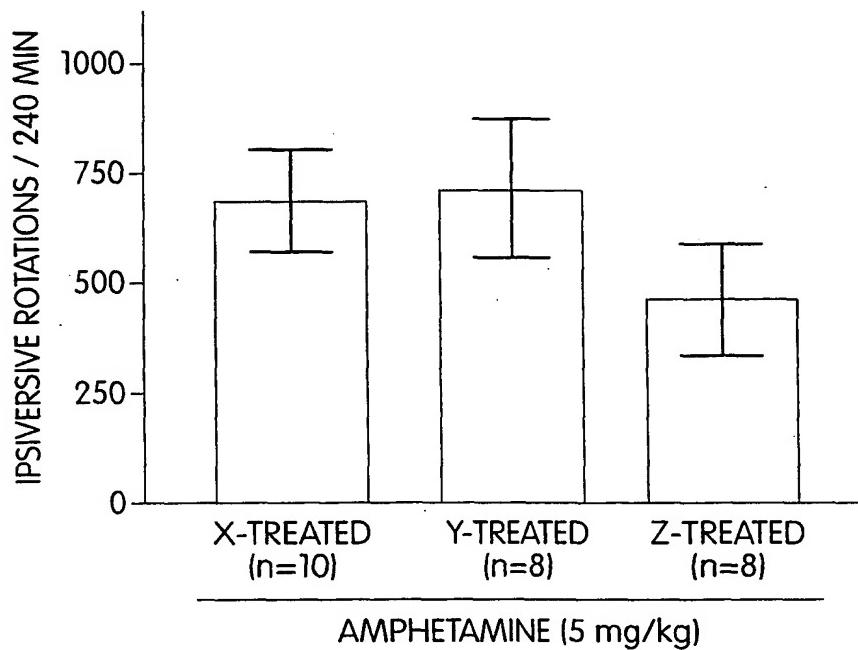


Fig. 14A-2

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EXPERIMENT 4 - DAY 7 AMPHETAMINE CHALLENGE

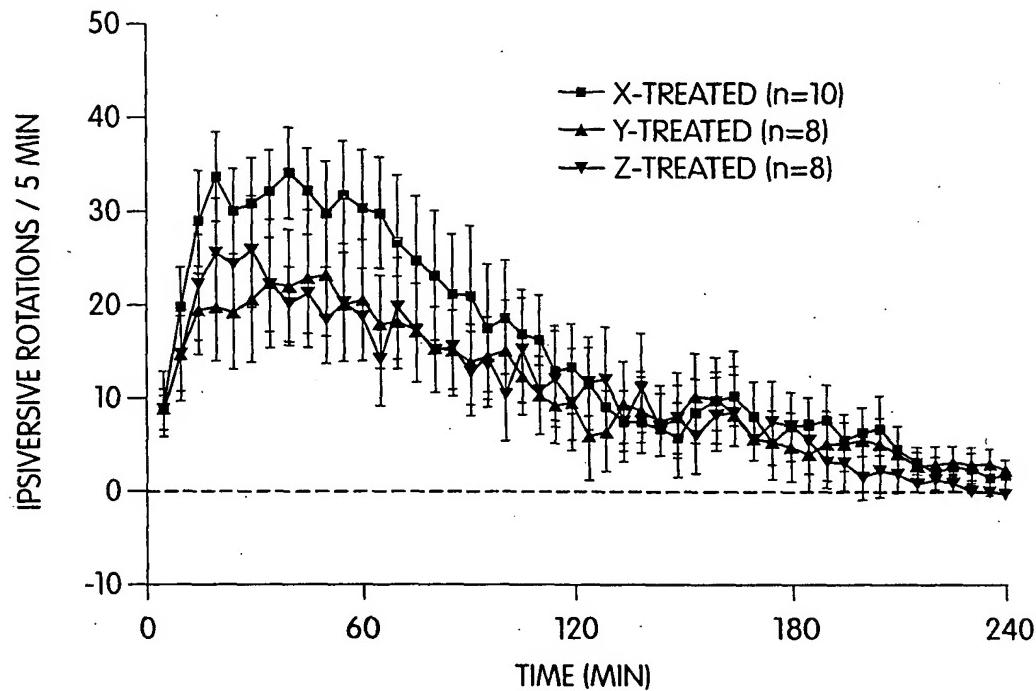


Fig. 14B-1

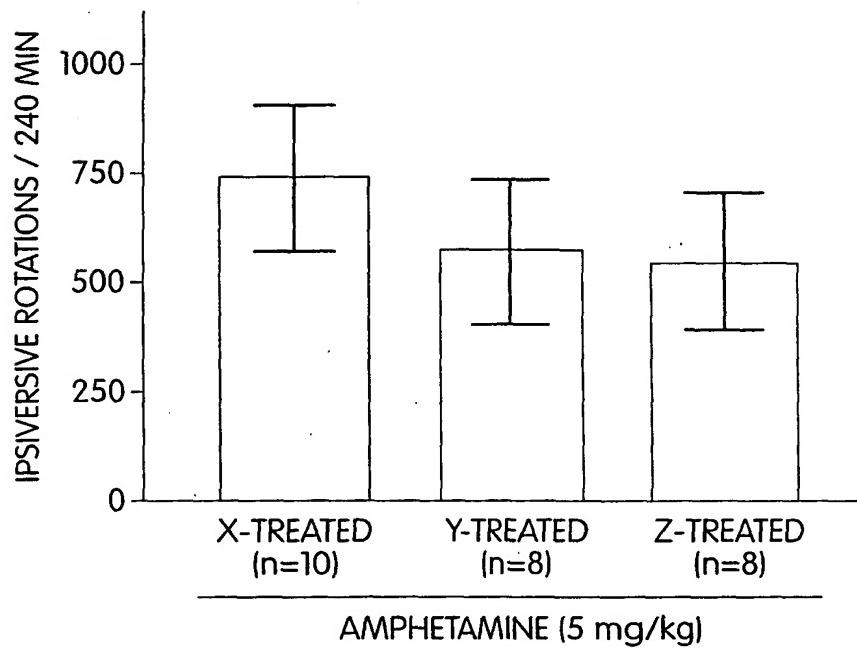


Fig. 14B-2

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EXPERIMENT 4 - DAY 14 AMPHETAMINE CHALLENGE

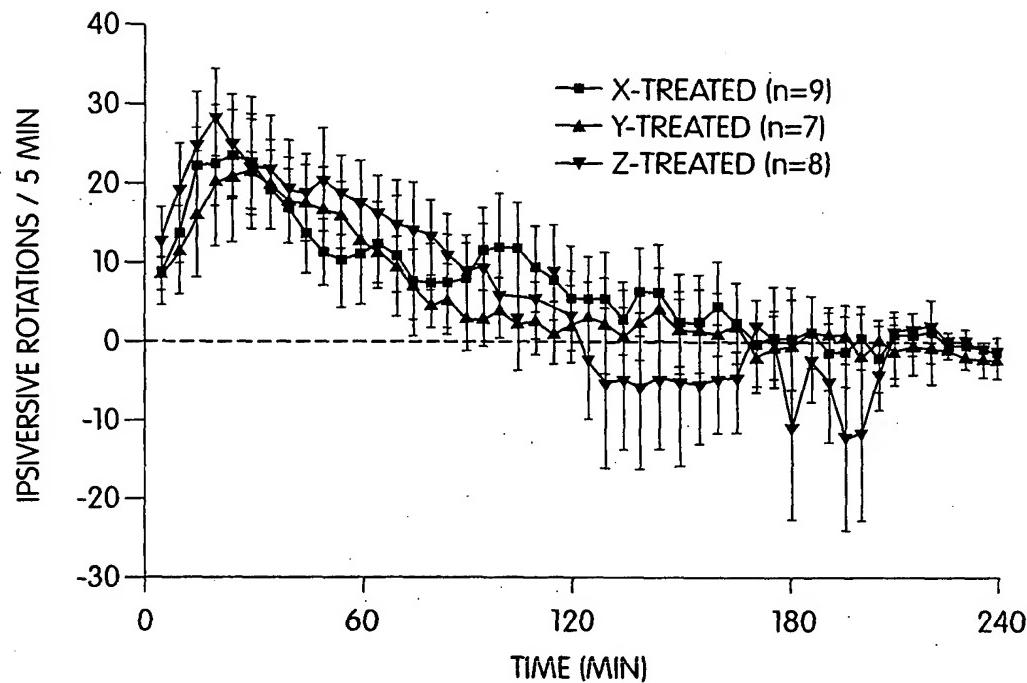


Fig. 14C-1

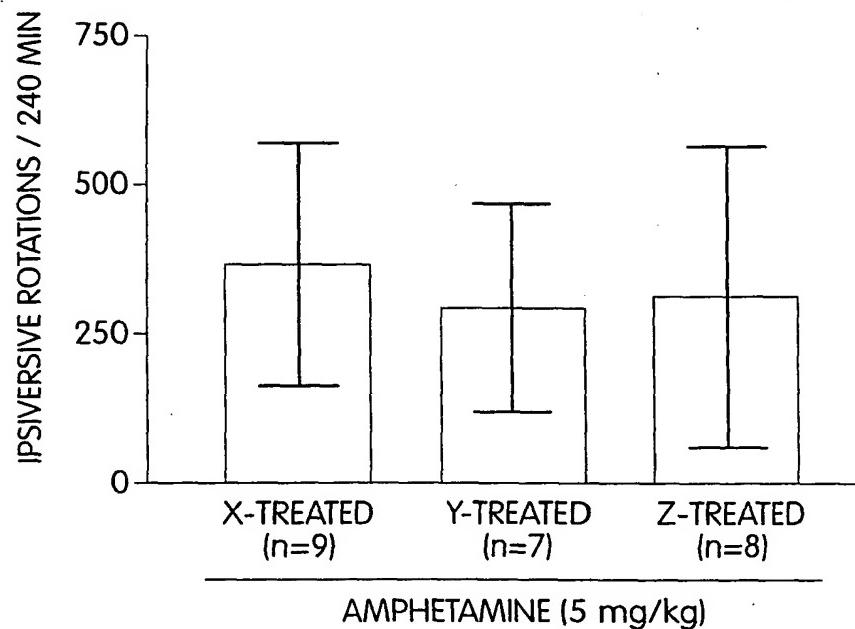


Fig. 14C-2

## EXPERIMENT 4 - DAY 21 AMPHETAMINE CHALLENGE

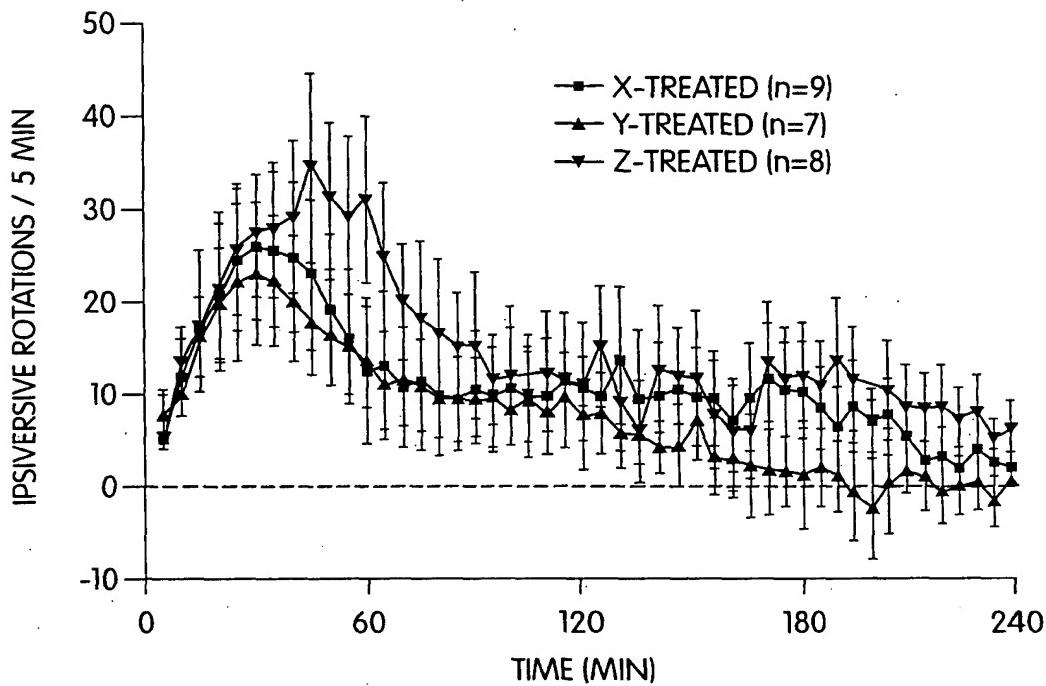


Fig. 14D-1

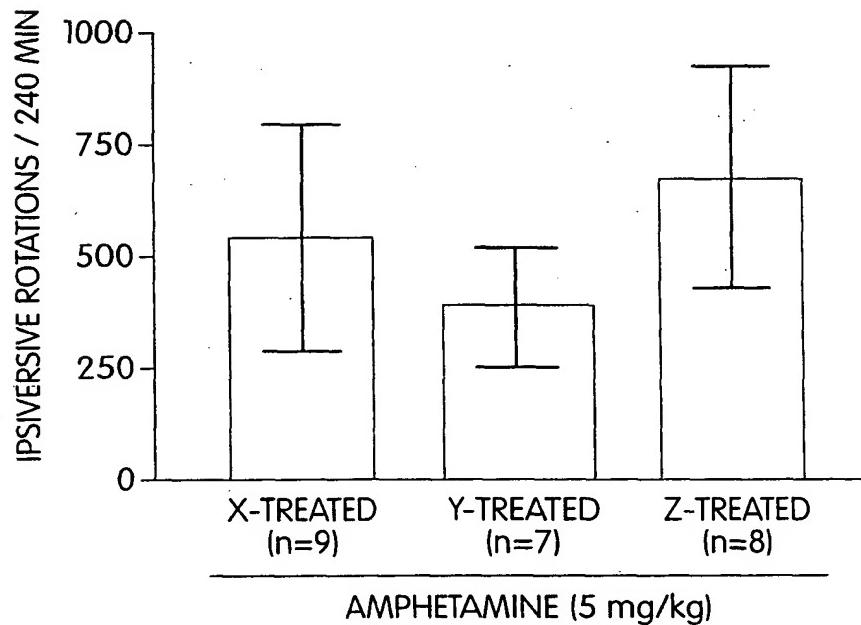


Fig. 14D-2

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EXPERIMENT 4 - DAY 24 APOMORPHINE CHALLENGE

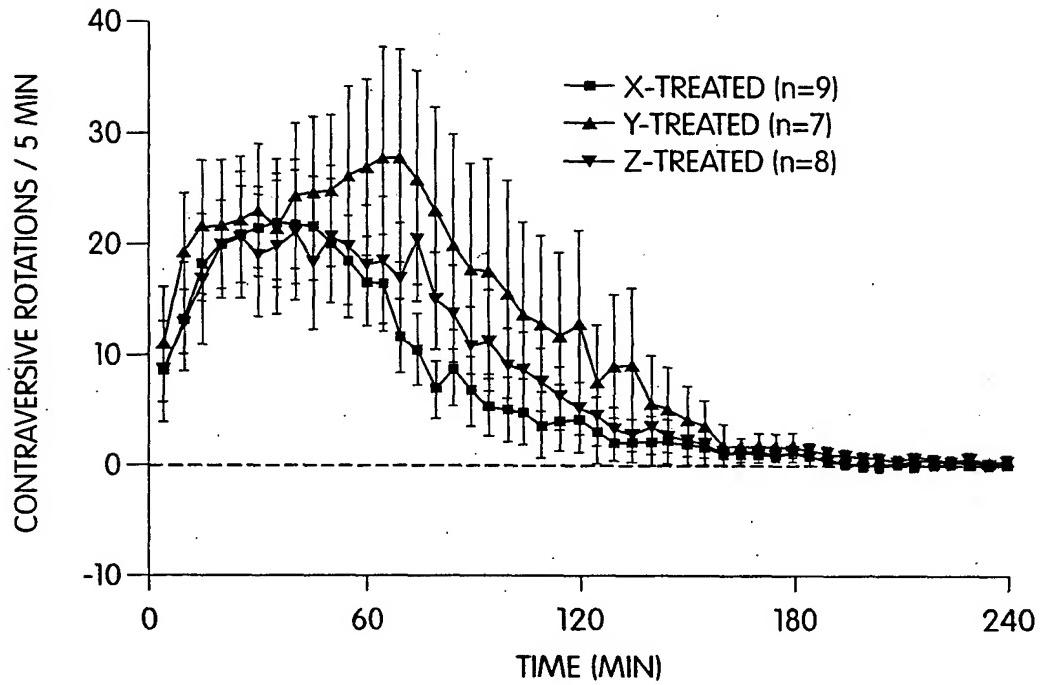


Fig. 14E-1

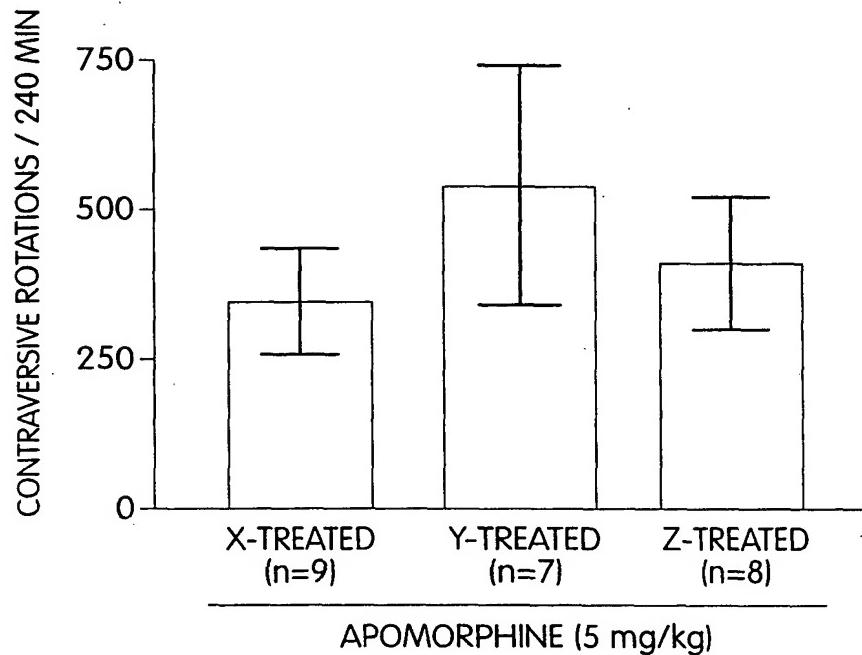


Fig. 14E-2

## EXPERIMENT 5 - DAY 4 AMPHETAMINE CHALLENGE

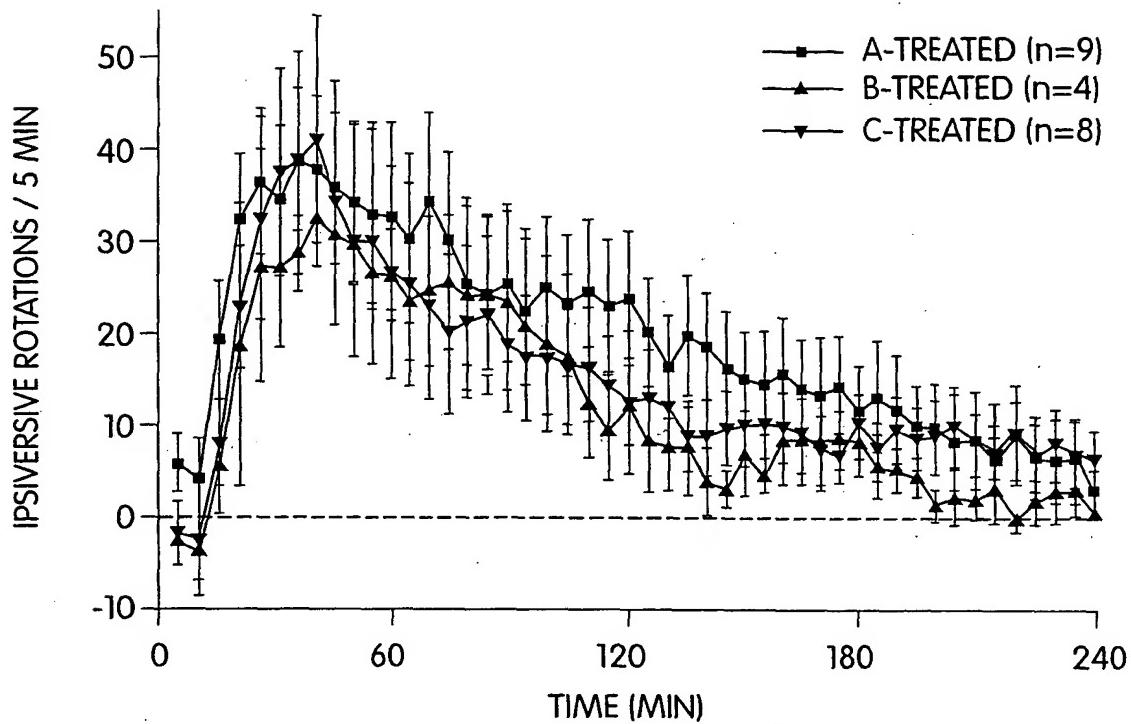


Fig. 15A-1

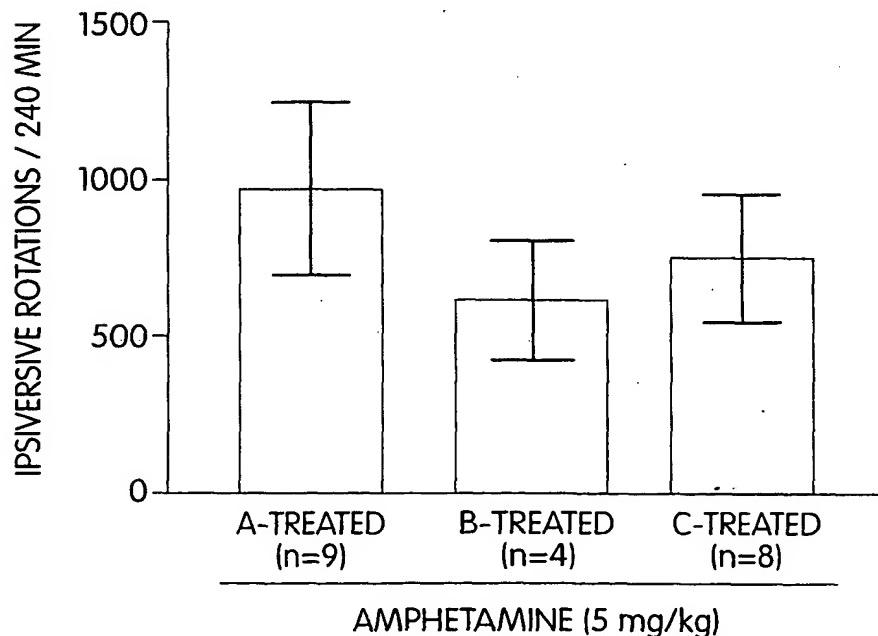


Fig. 15A-2

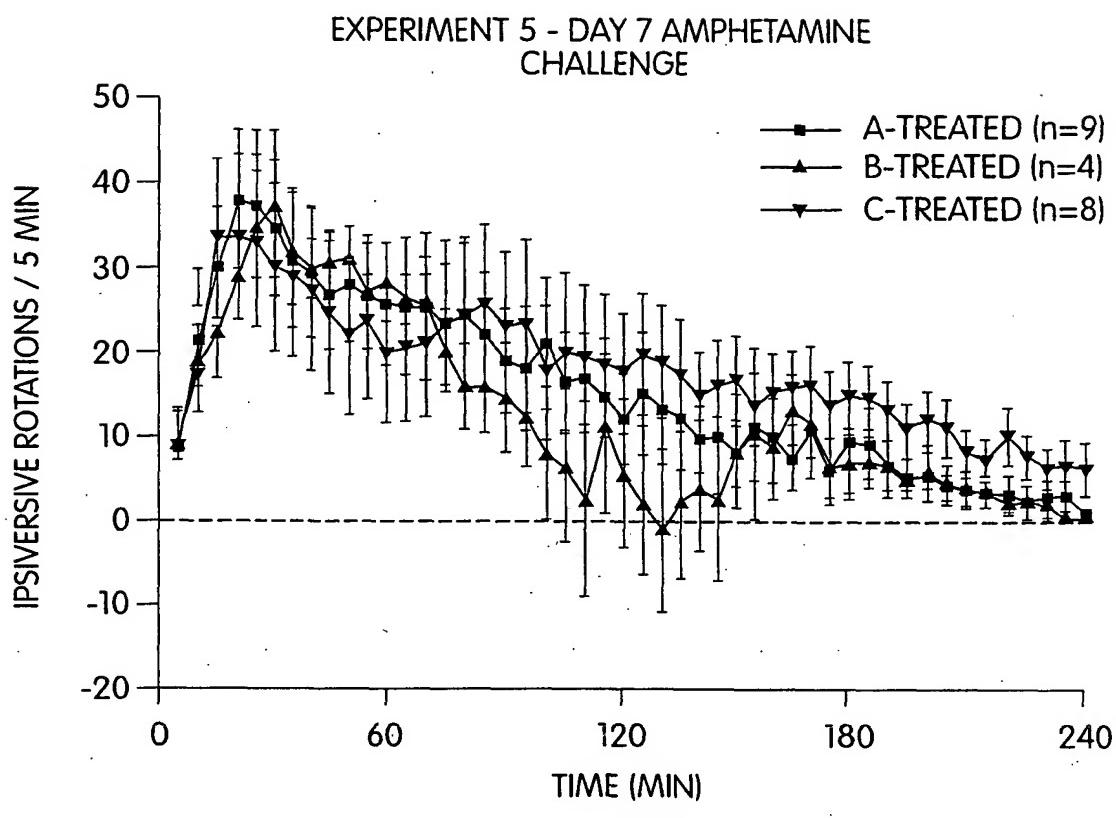


Fig. 15B-1

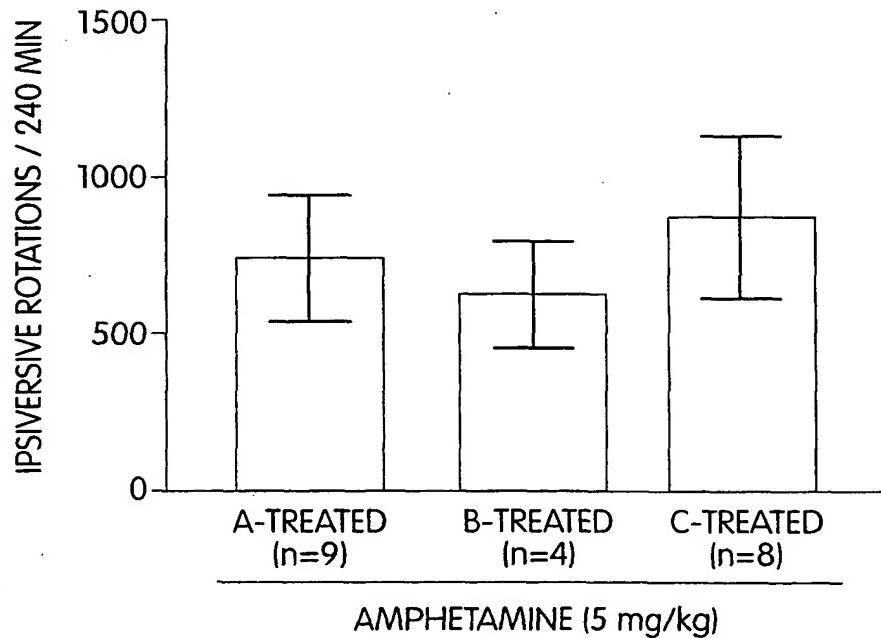


Fig. 15B-2

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EXPERIMENT 5 - DAY 14 AMPHETAMINE  
CHALLENGE

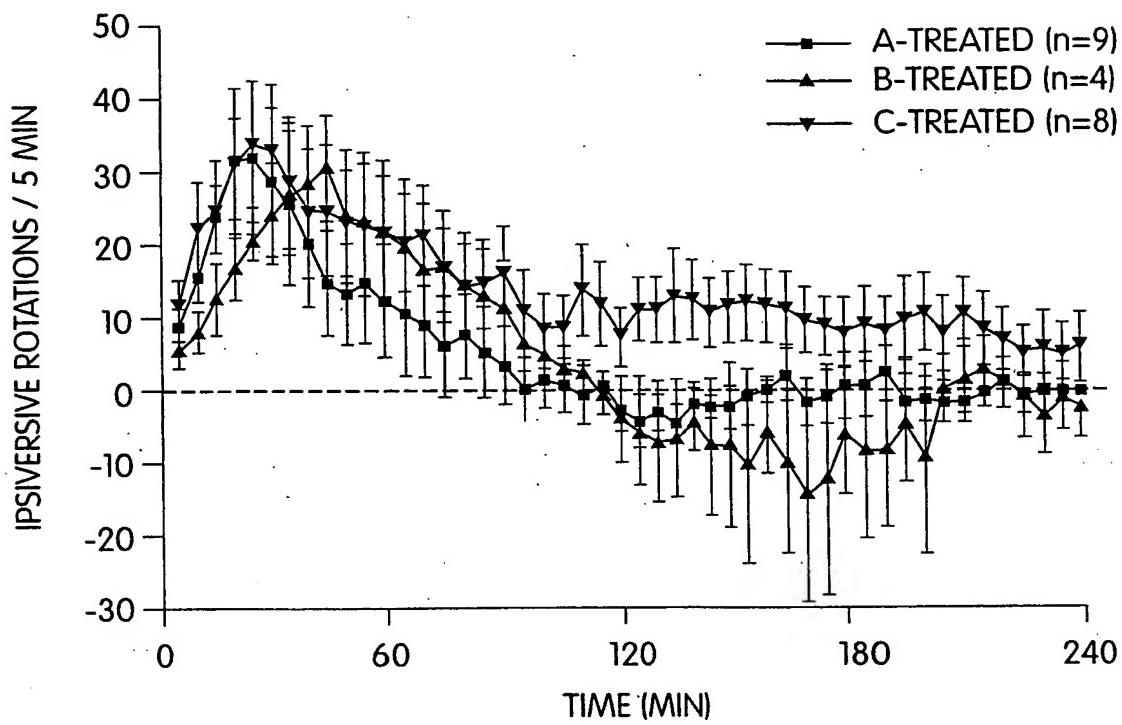


Fig. 15C-1

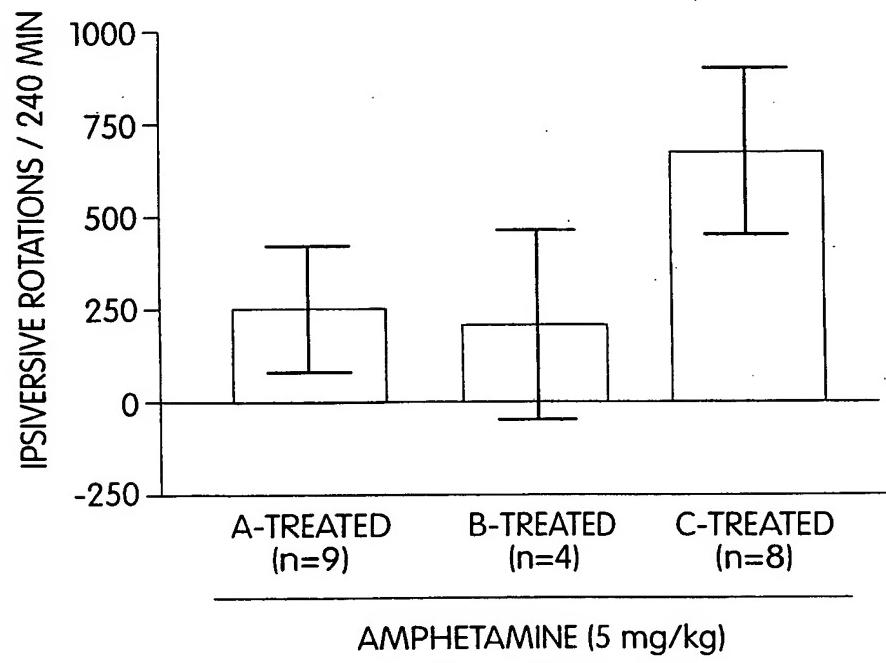


Fig. 15C-2

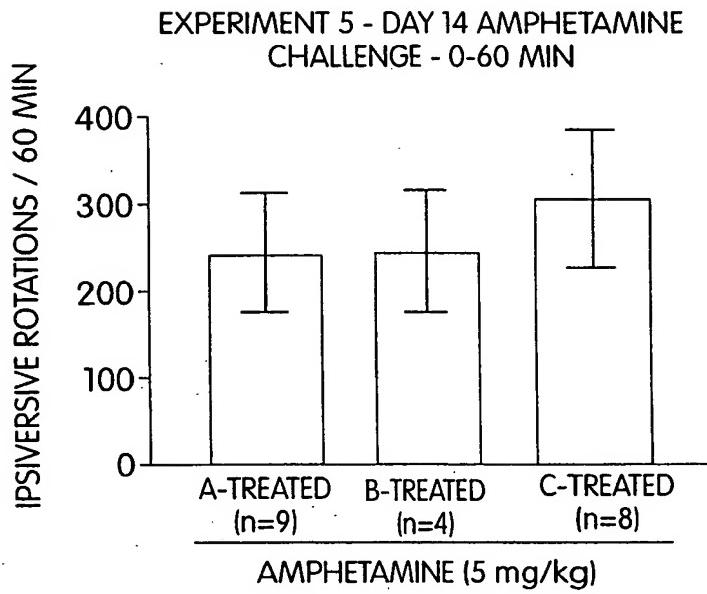


Fig. 15D-1

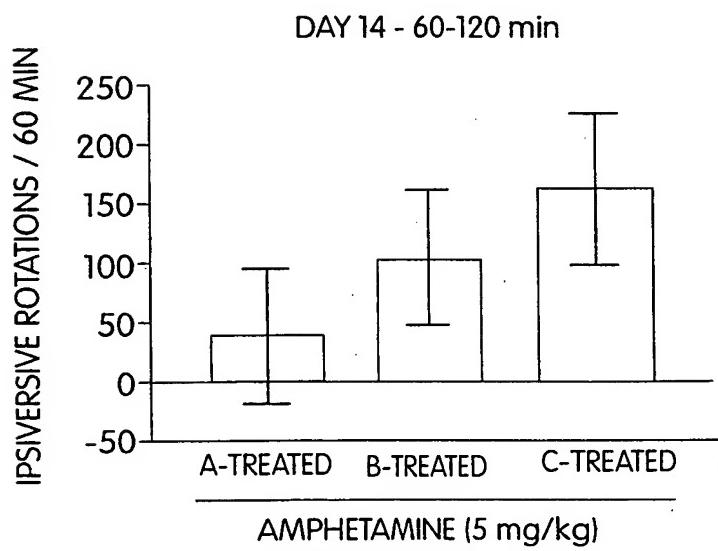


Fig. 15D-2

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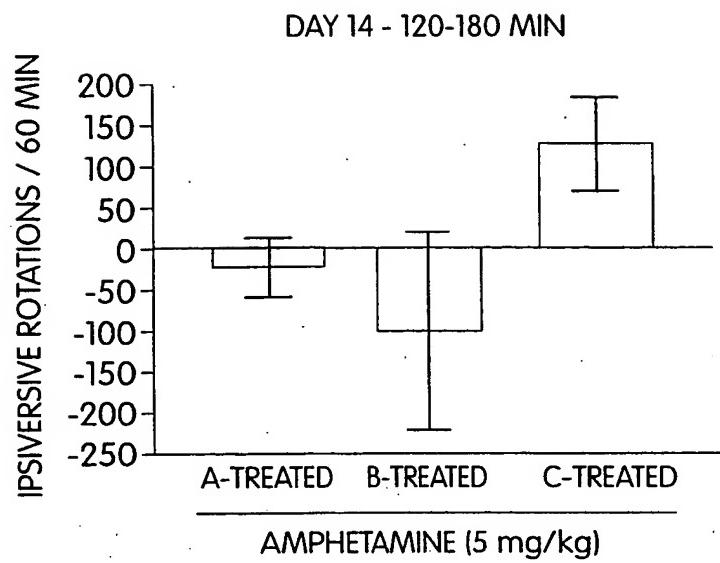


Fig. 15D-3

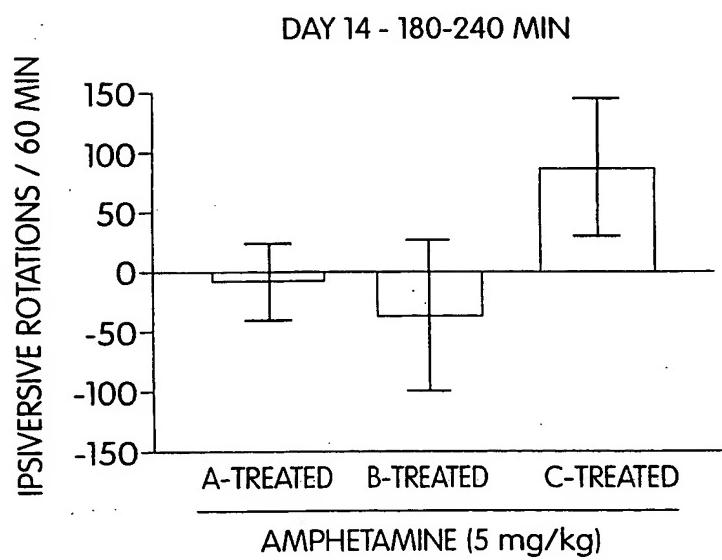


Fig. 15D-4

## EXPERIMENT 5 - DAY 21 AMPHETAMINE CHALLENGE

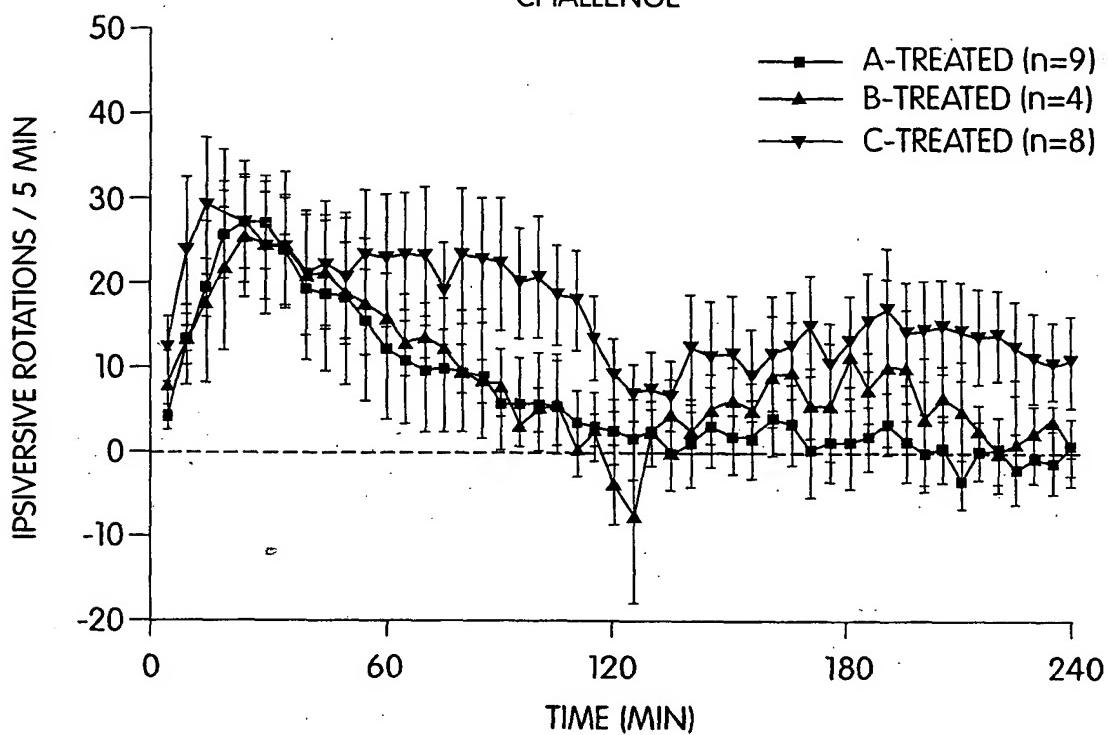


Fig. 15E-1

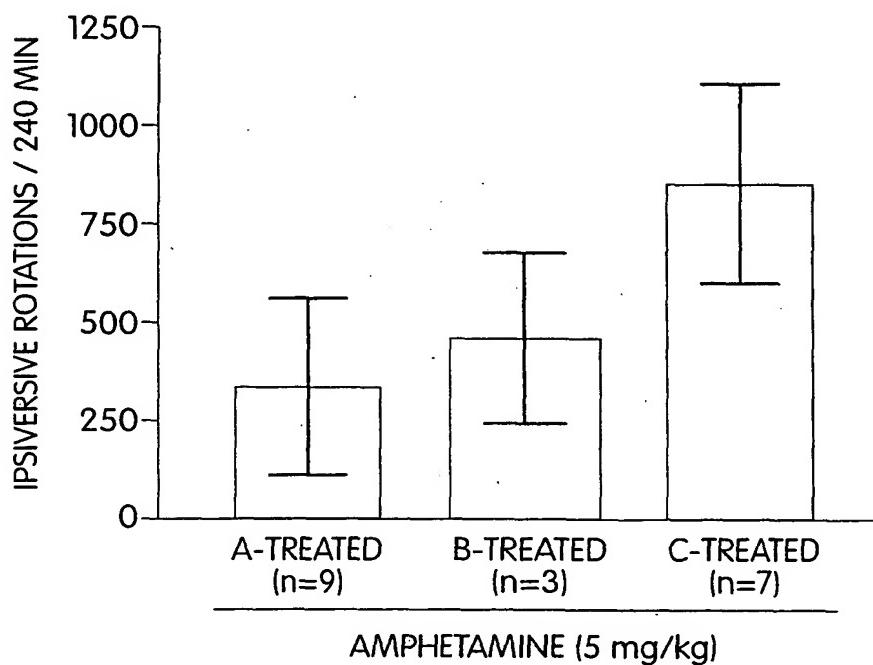


Fig. 15E-2

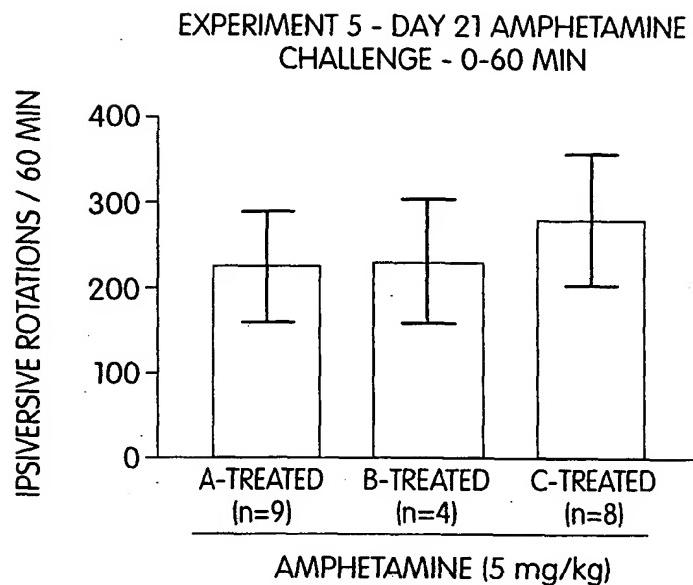


Fig. 15F-1

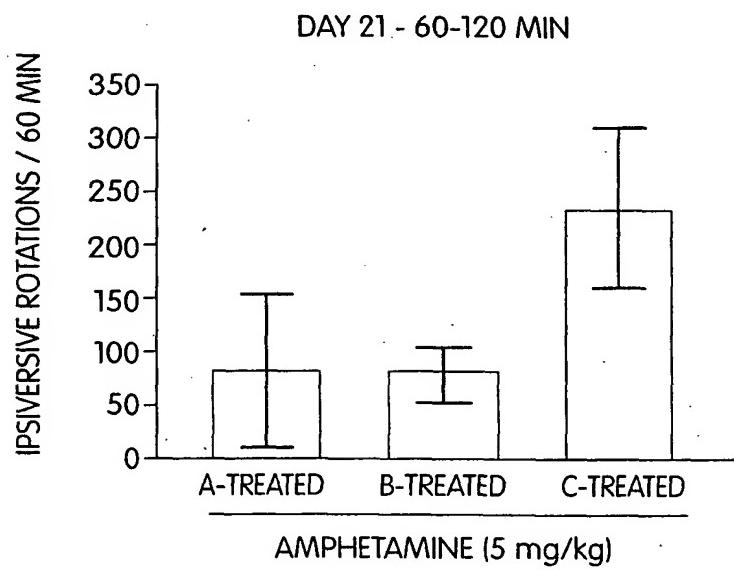


Fig. 15F-2

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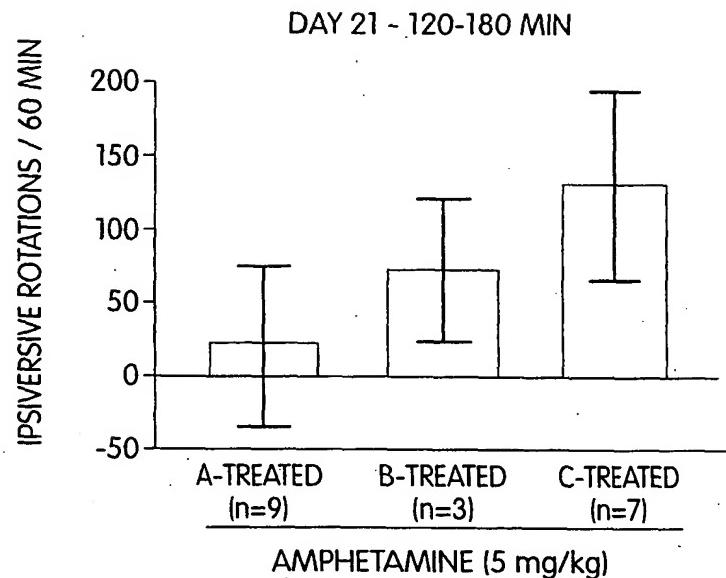


Fig. 15F-3

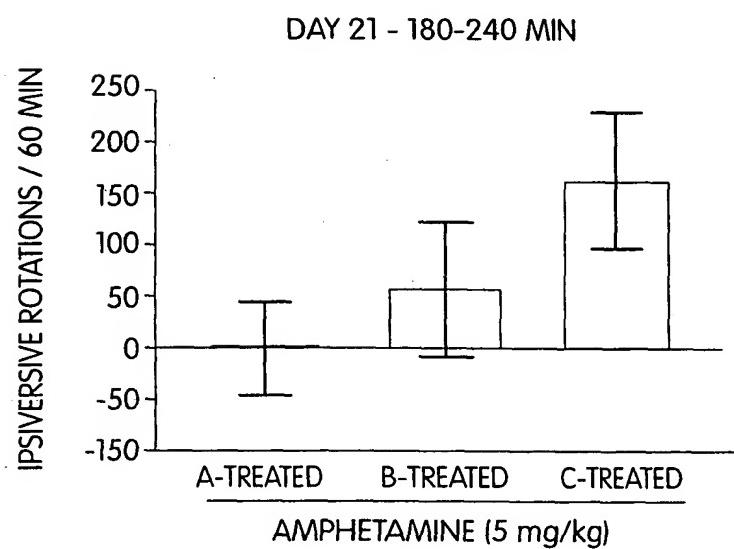


Fig. 15F-4

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EXPERIMENT 5 - DAY 24 APOMORPHINE  
CHALLENGE

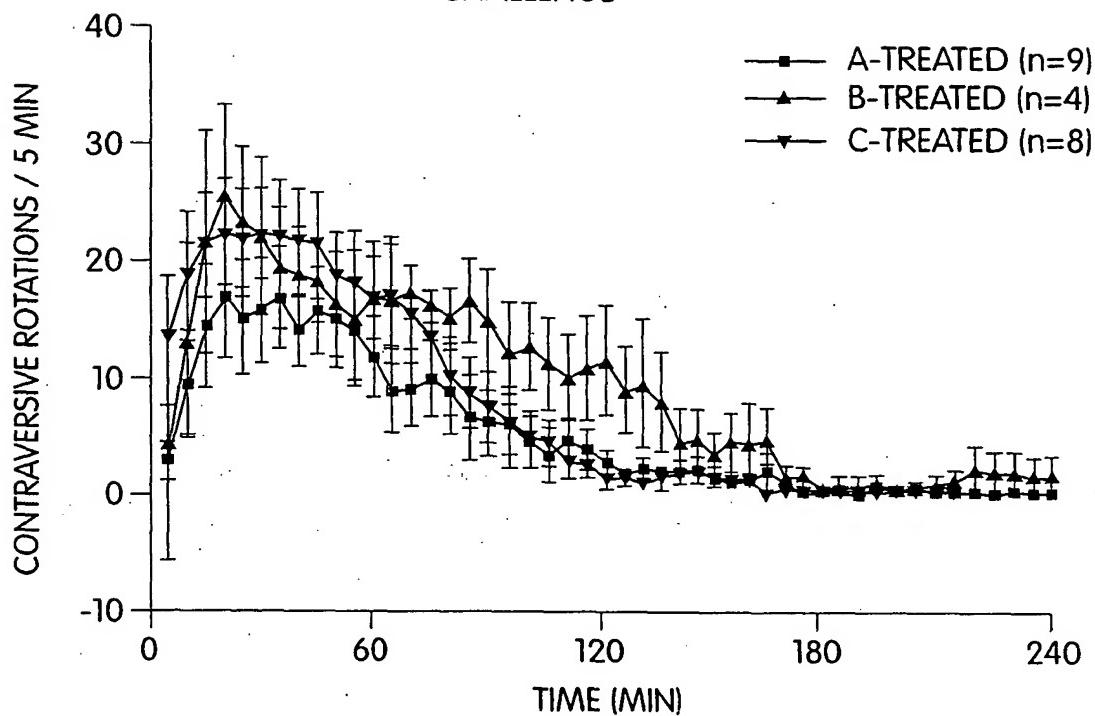


Fig. 15G-1

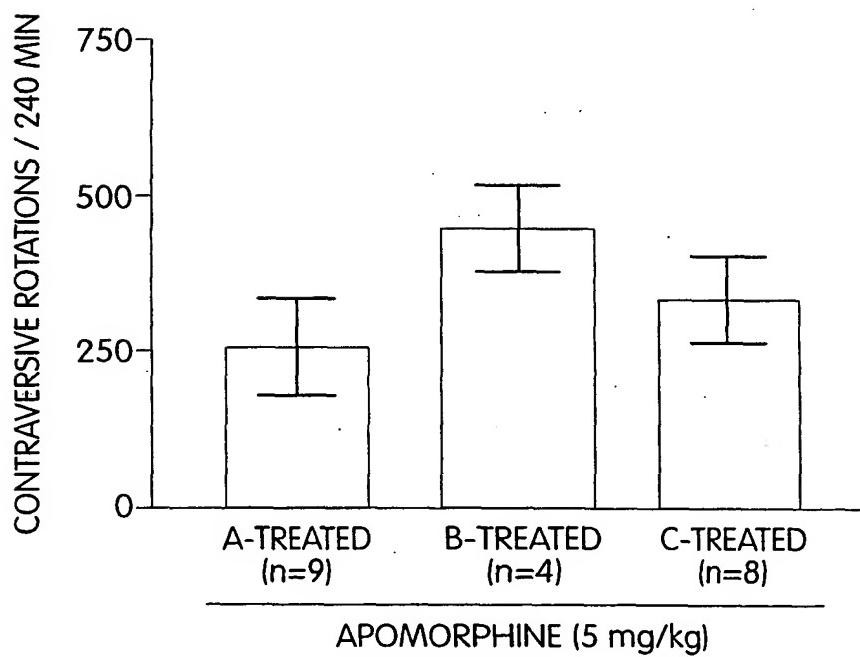


Fig. 15G-2

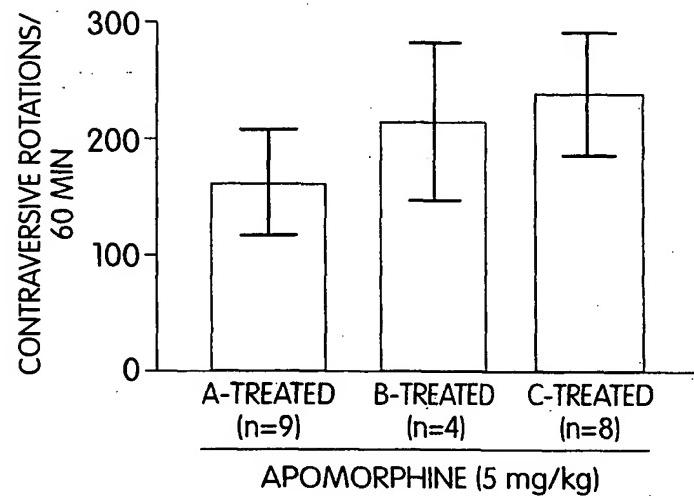
EXPERIMENT 5 - DAY 24 APOMORPHINE  
CHALLENGE - 0-60 MIN

Fig. 15H-1

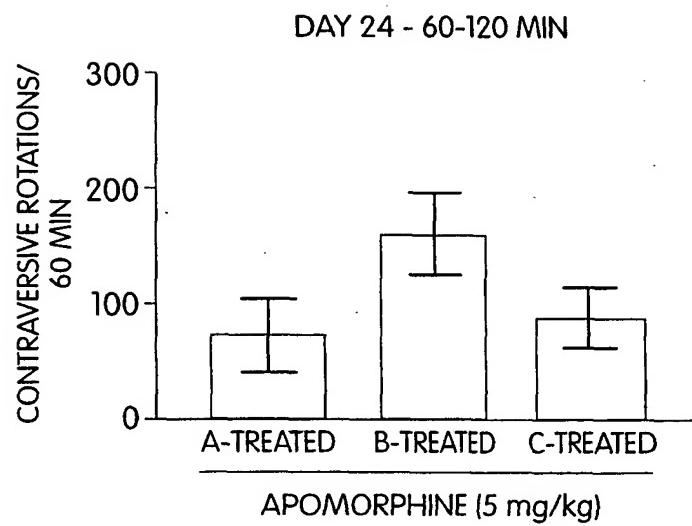


Fig. 15H-2

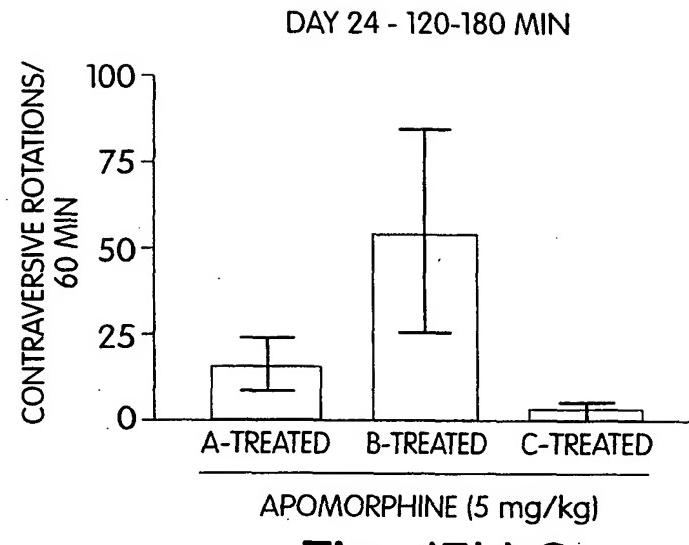


Fig. 15H-3

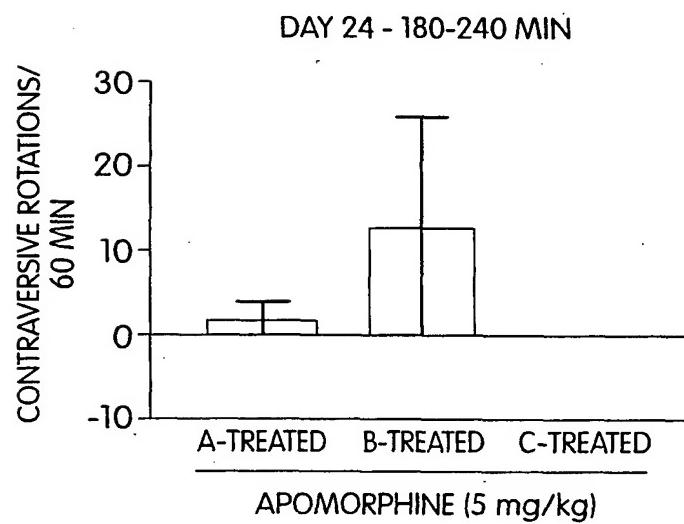


Fig. 15H-4

EFFECT OF INTRANIGRAL Shh-M ON  
AMPHETAMINE ROTATION:  
BROTCHIE

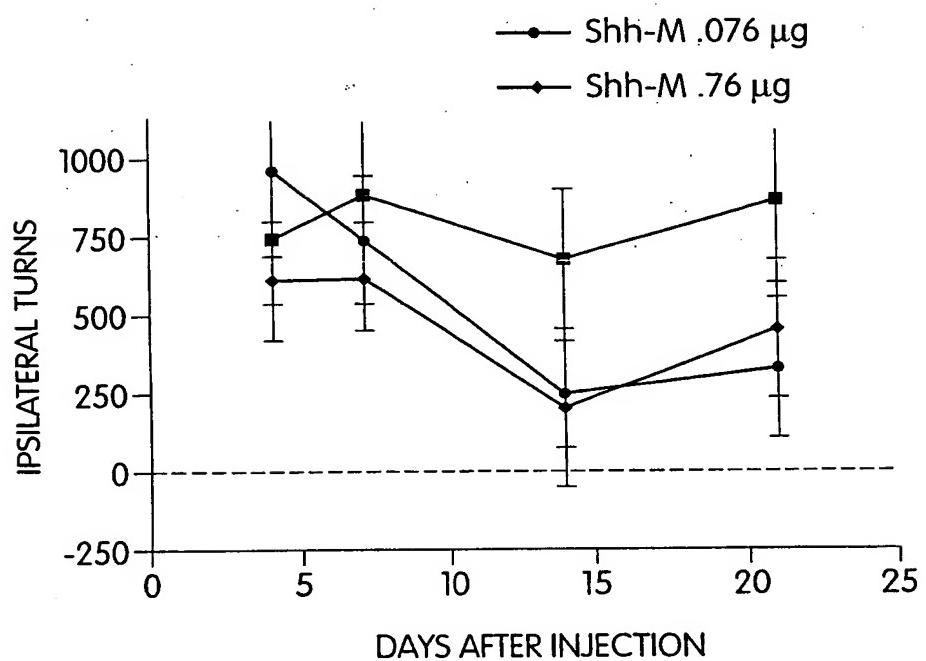


Fig. 16

DOSE RESPONSE FOR HEDGEHOG  
PROTEIN CONSTRUCTS IN THE  
MALONATE STRIATAL LESION MODEL

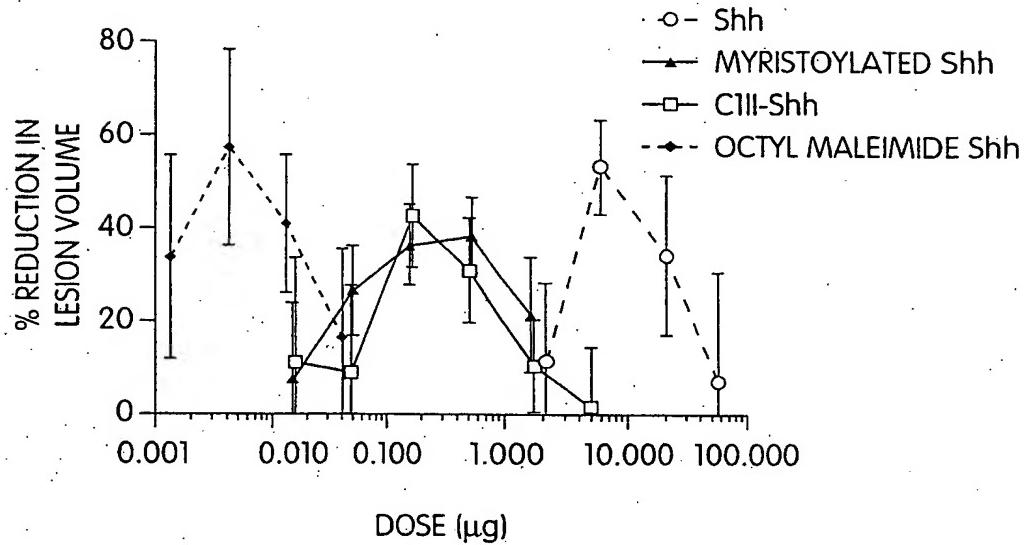


Fig. 17

EFFECT OF PRETREATMENT  
WITH MYRISTOYLATED Shh IN  
THE MALONATE STRIATAL  
LESION MODEL

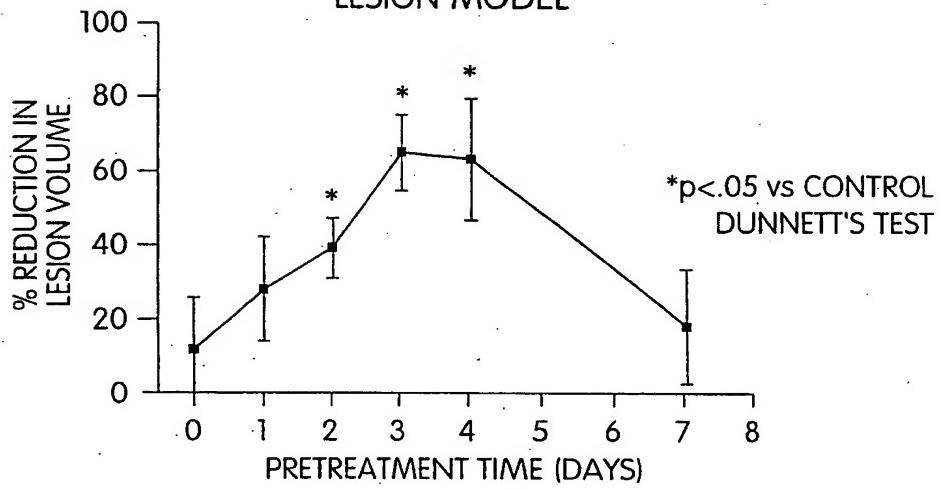


Fig. 18